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Dec 14, 1977

DERWENT-ACC-NO: 1978-08996A
DERWENT-WEEK: 197805
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TITLE: Non-contractive grouting material having high strength - comprises cement compsn. and fine aggregate contg. iron powder

PRIORITY-DATA: 1976JP-0066617 (June 9, 1976)

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PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/>	<u>JP 52150434 A</u>	December 14, 1977		000	
<input type="checkbox"/>	<u>JP 81006381 B</u>	February 10, 1981		000	

INT-CL (IPC): C04B 13/02; C04B 31/18

ABSTRACTED-PUB-NO: JP 52150434A
BASIC-ABSTRACT:

Non-contractive grouting material comprises 100 pts. wt. cement compsn. and 90-150 pts. wt. fine aggregate contg. 40-60 wt. % of iron powder. Cement compsn. comprises Portland cement 100 pts. wt.; limy expanding agent 3-5 pts wt. % active siliceous fine powder 5-10 pts. wt. and non-retarding, low foaming dispersing agent, 0.5-1.0 pts. wt.

The grouting material has higher strength, esp. higher early strength. Its fluidity is not greatly affected by temp. variation.

Limy expanding agent is cement material contg. crystalline calcium oxide cited in J48055215 and J48094725. Active siliceous fine powder is amorphous silica powder, fly ash, quenched blast furnace slag, etc.

Dispersing agent is beta-naphthalenesulphonic acid-formalin condensate, sulphonated melamine-formalin condensate.

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